AUTHOR INDEX

VOLUME 15

Actor, Paul, 547, 1074
Adams, Mary R., 238
Agbonlahor, Dennis E., 599
Agnes, Arden G., 312
Aguilar, Lorenzo, 330
Ahearn, D. G., 511
Ahlin, Peggy A., 216
Akama, Kiyoto, 835
Allen J., 571
Allen, James R., 1024
Allen, Peter Z., 324
Allen, Stephen D., 703
Alter, Katharine E., 967
Amsel, Richard, 141
Amsterdam, Daniel, 528
Andersen, Burton R., 728
Anderson, Roger L., 408, 635
Anken, M., 610
Appelbaum, Peter C., 525
Appleman, Maria D., 278
Arimitsu, Yoshiko, 835
Arko, Robert J., 435
Armstrong, Donald, 439
Arnett, D., 891
Atkinson, H. Max, 48
Auckenthaler, R., 860

Back, Andrew E., 625
Badakhsh, Fred F., 286
Badal, Robert E., 575, 582, 769
Baker, Carol J., 991
Baker, Carolyn N., 769
Baker, Philip M., 491
Baldigo, Susan M., 951
Balfour, Lynda C., 902
Ball, H. J., 28
Barnett, Eugene V., 684
Baron, L. S., 1085
Barrett, Jean E., 959
Barrett, Timothy J., 235
Barry, A. L., 1111
Barry, Arthur L., 575, 582, 769, 777, 954
Bartus, Henry F., 554, 1074
Bass, Joseph A., 115
Beaty, B. J., 429
Beaty, Barry J., 879
Beckwith, David G., 35
Behan, Kathleen A., 531
Belshe, Robert B., 824
Bemis, David A., 1120
Benchetrit, Leslie C., 787
Bennett, John E., 535
Benson, Robert F., 1077
Berkelman, Ruth L., 635
Beth, Elke, 517
Bhatti, A. R., 379
Bibb, W. F., 1044
Biberstein, E. L., 1009
Biddle, J. W., 865
Black, Charlotte M., 1077
Blake, Paul A., 235
Blaser, M. J., 1065
Blaser, Martin J., 53
Blazevic, Donna J., 123, 976
Bohl, Edward H., 312
Bond, W. W., 533
Bonner, Mary C., 220
Bottone, Edward J., 178, 926
Boughton, William H., 1167
Boyce, John M., 220
Brake, Sylvia, 640
Brennan, Patrick J., 447
Brenner, Don J., 290, 395, 703, 1085, 1097, 1133
Brewer, Thomas C., 603
Brinkley, Allen W., 25
Brokopp, C. D., 571
Brook, Itzhak, 855
Brown, A., 646
Brown, K. L., 429
Brown, Susan L., 531
Bruckner, David A., 16, 603
Bucher, Candid, 1164
Buck, George E., 41
Burdash, Nicholas M., 391
Burke, Donald S., 353, 429
Burke, Valerie, 48
Busch, Evelyn L., 123
Butler, Leslie O., 810

Calanda, Gary B., 184
Caldwell, Charles W., 156
Calvert, Kathleen, 41
Camelo, Alipio A., 787
Canto, G. J., 1009
Carlson, Barbara L., 231
Carmichael, Leland E., 286
Carpenter, Stephen K., 617
Carr, D. L., 43
Casal, Julio, 78
Casavant, Conrad H., 456
Casey, Joan, 109
Cate, Thomas R., 87
Cato, Elizabeth P., 688
Chan, F. T. H., 12
Chang, Te-Wen, 465
Chenier, V. K., 379
Chernesky, Max, 517
Cherry, William B., 290
Chester, Brent, 1144
Chia, David, 684
Chiang, Ming, 684
Cho, Sang-Nae, 130
Chow, Fu-Sheng, 265
Christensen, Poul, 981
Clark, Vangie, 16
Clark, Virginia L., 915
Clarridge, Jill, 1148
Clecner, Bya, 475
Clemons, Karl V., 731
Cleveland, Patrick H., 402
Collins, Michael T., 130, 478
Collins, Michaeleen M., 456
Coolbaugh, James C., 855
Cossen, Cynthia K., 815
Cost, Karen, 1169
Couch, Elsie E., 531
Cremer, Natalie E., 815
Crist, Arthur E., Jr., 528
Cross, Robert F., 312
Crowe, Kevin E., 115
Cundy, Kenneth R., 302
Curtis, Gordon D. W., 802

Damato, James J., 478
D'Amato, Richard F., 282
Danielsson, Dan, 981
Darker, Raymond J., 1153
Davidson, Sandra K., 547
Davis, A. C., 567
Davis, B., 646
Davis, Betty R., 703
Davis, C. P., 891
DeFranco, Lucia M., 1150
de Harven, Etienne, 517
de la Maza, Luis M., 468
Della-Latta, Phyllis, 654
de Savigny, Don, 998
DeZeeuw, Patricia S., 181
Di Ninno, V. L., 379
Doern, Gary V., 416
Donta, Sam T., 1157
Dossett, John H., 525
Dosunmu-Ogunbi, Oladeinde, 599
Douglas, Steven D., 991
Douglass, Jeanne A., 286
Doyle, Ronald J., 547, 973, 1169

Ebert, J. W., 533
Edelstein, Paul H., 1092
Edgar, J. A., 761
Edmond, Betty, 208
Edson, Randall S., 1059
Edwards, E. A., 481
Egan, I. T., 249
Ein, Sigmund H., 596
Elder E. M., 646
Elischerová, Kamila, 503
Ellner, Paul D., 58, 275
Eng, Robert H. K., 439
Erinle, Edward A., 212
Eriquez, L., 987
Esaias, A. O., 419
Esaias, Ann O., 1085
Espinel-Ingroff, Ana, 714
Etowski, David C., 35

Facklam, R. R., 987
Fainstein, Victor, 1141
Fanning, G. R., 395
Fanning, G. Richard, 703
Farmer, J. J., III, 395, 491, 703, 1085, 1097
Favero, M. S., 533
Feeley, J. C., 337
Feeley, John C., 235, 630
Feigin, Ralph D., 543
Fekety, F. Robert, 443
Feldman, William E., 1153
Fenoll, Asunción, 78
Finegold, Sydney M., 1049, 1092
Finley-Price, Kathryn G., 435
Fojtasek, Cathy, 41
Fox, B., 987
Fracalanzza, Sergio E. L., 787
Francis, David H., 181
Franz, Martha N., 1054
Frazier, Christine L., 879
Frenkel, Lawrence D., 967
Furtado, Dolores, 270

Gadberry, Joseph L., 731
Galland, G. G., 931
Gallo, Dana, 243
Garcia, Lynne S., 603
Garrity, G. M., 646
Gavan, T. L., 1111
Gavan, Thomas L., 582, 777
Geiseler, P. Jan, 728
Gemski, Peter, 1161
George, W. Lance, 1049
Gerin, John L., 484
Gibbs, David L., 777
Giesa, Frank R., 1074
Giger, Donald K., 869
Gil, Gail M., 187
Gilardi, Gerald L., 302
Gill, P., 761
Giraldo, Gaetano, 517
Glode, Mimi, 324
Goetz, Matthew B., 720
Golden, Carole A., 265
Goldstein, Jack, 654, 848
Golubjatnikov, R., 610
Gomes, Tania A. T., 1062
Gómez Garcés, Jose Luis, 330
Gooch, W. Manford, III, 885
Goodman, Larry J., 959
Goodman, Norman L., 425
Gorbach, Sherwood L., 465
Gorman, George W., 290
Gracey, Michael, 48
Gray, Barry M., 1153
Greenhood, Gary P., 1024
Griffin, M. R., 567
Gristina, Anthony G., 320
Gronowitz, J. Simon, 366
Guarneri, Joseph J., 654
Gundersen, C. B., 429
Gustafsson, Björn, 298
Guth, Beatriz E. C., 1062

Halbert, S. P., 610
Hale, Judith, 141
Haley, Mark S., 231
Hambie, E. A., 337
Hanson, Carl V., 815
Hariri, Al R., 425
Harmon, Maurice W., 5
Harris, Brigita, 728
Harris, Jo-Ann, 270
Hasegawa, Ayako, 163
Hash, D. E., 688
Hayes, Gregory V., 1029, 1036
Hébert, G. Ann, 1065
Hedlund, Kenneth W., 1176
Heessen, F. W. A., 82
Heifets, Michael, 447
Hempel, Hugo O., 425
Henle, Gertrude, 69
Henle, W., 610
Henle, Werner, 69
Henrichsen, Jørgen, 372
Henson, Cheryl L., 184
Heseltine, Peter N. R., 278
Hickman, F. W., 395, 1085, 1097
Higgins, R., 1019
Highsmith, Anita K., 1024
Hildreth, Stephen W., 879
Hill, Gilbert A., 885
Hinds, David B., 543
Hochstein, Lisa, 282
Hoke, Carolyn, 906
Holdeman, Lillian V., 688
Holland, Betty W., 635
Hollick, Gary E., 175, 945
Hollis, D. G., 395, 1065
Holmes, King K., 19, 141
Holmes, Rustin L., 723, 1150
Hopfer, Roy L., 1141
Houben, Anthony W., 795
Hovelius, Birgitta, 981
Hsiung, G. D., 842
Hunter, Elizabeth F., 630
Hurd, Nancy J., 169

Ide, Seiya, 660
Igarashi, Yoshiteru, 660
Ilstrup, D. M., 860
Inouye, Sakae, 163
Isayama, Yasuro, 791
Ivey, Michael H., 1029, 1036

Jagger, Kathleen Snell, 1054
Janda, J. Michael, 178, 926
Janssen, Werner A., 1176
Jeansson, Stig, 366
Joens, L. A., 249
Joens, Lynn A., 994
Johnson, A. P., 522
Johnson, James E., 25
Johnson, S. R., 342
Johnson, Scott E., 290
Johnson, Steven R., 435
Johnston, H. H., 802
Jones, Jeffrey, 720
Jones, Ronald N., 677, 769, 777, 954
Jordan, Harold V., 253
Juffali, Fawziyah, 350
Juni, Billie Anne, 976

Källander, Clas F. R., 366
Kaplan, Raymond L., 959
Kaplan, Sheldon L., 543
Karmali, Mohamed A., 596
Karr, Dane E., 1044
Kasel, Julius A., 87
Kashiba, Shuzo, 668
Kasper, Dennis L., 991
Katz, Mary E., 265
Katz, Ruth L., 1141
Kaufman, L., 663
Kaufmann, C. S., 339
Kay, Bradford A., 1161
Keigher, Nancy L., 1001
Keller, Kenneth F., 547, 973
Kellogg, Douglas S., Jr., 915
Kelly, J. Roger, 231
Kelly, Michael T., 41, 902
Kendal, A. P., 931
Kennedy, Michael J., 443
Kerkering, Thomas M., 714
Kern, Earl R., 265
Kiehn, Timothy E., 439
Kimberlin, Cecilia L., 425
Kinyon, J. M., 249
Kinyon, Joann M., 994
Kita, Eiji, 668
Kjellander, Jan, 981
Klaucke, D., 571
Klein, George C., 531
Knight, Robert D. J., 810
Knoop, Floyd C., 869
Knutson, Jean K. Leete, 1133
Kobayashi, Shinzo, 835
Koehne, Guy, 984
Koestenblatt, Evelyn K., 384
Kono, Reisaku, 163
Kozukue, Hiroyuki, 166
Krauss, Hartmut, 830
Kunz, Lawrence J., 920
Kvernland, Sally J., 543
Kwon-Chung, Kyung J., 535

Lambert, M. A., 1065
Lamberth, Linda B., 543
Landau, William, 959
Landry, Marie L., 842
Langeland, K., 964
Lariviere, S., 1019
Laroche, L. J., 761
Larone, Davise H., 384
Larsen, S. A., 337
Larsen, Sandra A., 238
Larsh, Howard W., 204
LaRue, D., 571
LaScala, Leonard J., Jr., 951
Lathey, Janet L., 824
Latimer, Joan M., 902
Lauer, Brian A., 61, 562

Laughon, B. E., 345
Laughon, Barbara E., 97
Lawrence, Andrew J., 1
Leake, Eva S., 320
Lee, Jisoo, 517
Leister, Flora J., 757
Lennette, Evelyne T., 69
Levchak, Mary Ellen, 58
Levitz, Doris, 93
Lewis, J. S., 865
Lior, H., 761
Liu, Y. S., 159
Lockwood, William R., 220
Loesche, W. J., 345
Loesche, Walter J., 97
Loiselle, Elaine M., 543
London, William T., 484
Luechtefeld, Nancy W., 53, 137
Lyznicki, James M., 123

Mackel, Donald C., 408
Mackenzie, A. M. R., 12
MacLowry, James D., 74
Maddison, Shirley E., 1029, 1036
Maddux, Roxanna L., 984
Mallison, George F., 408
Manning, J. S., 159
Manson, James I., 1
Marsik, Frederic J., 640
Martin, J. E., Jr., 865
Martin, William J., 16
Mason, Edward O., Jr., 543
Mathan, V. I., 749
Mathewson, John J., 1016
Matsen, J. M., 1111
Matsen, John M., 216, 1103
Matsuno, Shigeo, 163
Matthews, Jana S., 852
Matuhasi, Tyoku, 835
Matumoto, Minoru, 660
Maynard, J. E., 533
Mayo, Donald R., 733, 842
McClatchy, J. Kenneth, 478
McCormack, William M., 231
McKie, James E., 1103
McKinney, Roger M., 290
McPherson, J. T., 429
McWhorter, Alma C., 703, 1133
Meegan, James M., 879
Mendelson, Jack, 475
Menegus, Marilyn A., 945
Merz, W. G., 339
Miller, A. D., 567
Miller, Gail A., 562
Miller, J. Michael, 589
Miller, Mahlon F., 938
Miller, Richard D., 973
Minamishima, Yoichi, 1128
Minnich, Linda L., 969
Mirrett, Stanley, 61, 558, 562
Mitani, Kenji, 791
Mittal, K. R., 1019
Miyagawa, Eiichi, 791
Möllby, Roland, 298
Mondabaugh, Susan M., 1001
Moore, Robert P., 617
Moore, W. E. C., 688
Morace, Giulia, 362
Morello, J. A., 1111
Morse, Stephen A., 103
Moskowitz, Lee B., 1144
Moss, C. W., 1044
Moss, C. Wayne, 290, 308, 1065
Muchmore, H. G., 538, 737
Murahovschi, Jayme, 1062
Myers, Martin, 208
Myrick, Barryett A., 275

Nagamine, Takashi, 660
Nakahara, Hideomi, 166
Nakazawa, Muneo, 791
Narayanan, Radha, 43
Nedjat-Haiem, Fariborz, 973
Neill, S. D., 28
Neimeister, Ronald, 971
Nelson, D., 429
Neter, Erwin, 528
Nichols, Wright W., 802
Nickander, Kim K., 593
Nisalak, Ananda, 353
Nolte, Frederick S., 175
Nord, N. A., 249
Norman, Lois G., 1029, 1036
Norrod, E. Pinina, 103
Novick, William J., Jr., 677, 954
Nunez-Montiel, O. L., 308

Oberhofer, Thomas R., 196, 625
Oda, Kazumasa, 148
O'Donnell, Edward D., 967
Odugbemi, Tolu, 599
Oguntebi, B., 964
Okada, Hidechika, 148
Oravec, Lura S., 1172
Orrison, Leta H., 290
Osborn, M. F., 522
Ottman, Jim, 43
Otto, Maryellen, 1150
Oxman, Michael N., 402

Paisley, John W., 61
Palomino, Juan Carlos, 949
Parkinson, A. J., 538, 737
Parry, M. F., 571
Paton, James C., 1
Paul, Morris O., 212
Pavletich, Kathleen J., 384
Pawlik, Kathy M., 5
Pedersen, F. Karup, 372
Penn, Robert G., 869
Peregrino, Heloisa, 787
Perine, P. L., 865
Perkins, G. H., 342
Perry, Jack L., 852
Perryman, M. W., 337
Perryman, Mary W., 238
Person, Audrey, 439
Petersen, N. J., 533
Peterson, Donald L., 74
Peterson, Ellena M., 468
Peterson, Lance R., 593
Pettersson, Ulf, 744
Pettit, D. E., 337
Pettit, Deborah E., 238
Pezzlo, Marie T., 468
Phair, John P., 93
Phillips, D. J., 931
Phillips, I. A., 481
Pifer, Linda L., 1153
Pine, Leo, 1077
Piot, Peter, 19, 141
Plotkin, Balbina J., 1120
Polacheck, Itzhack, 535
Poli, G., 159
Polin, Richard A., 991
Polonelli, Luciano, 362
Pope, Victoria, 238, 630
Portnoy, Joseph, 475
Preheim, Laurel C., 869
Prince, James T., 335
Purcell, Robert H., 484

Qadri, S. M. Hussain, 43
Quan, Thomas J., 1178

Radin, Robert C., 93
Rajan, D. Prasanna, 749
Ray, C. George, 969
Reddy, C. Adinarayana, 895
Reid, L. R., 28
Reif, John S., 130
Reimer, C. B., 931
Reimer, Charles B., 1077
Reis, M. Henriqueta L., 1062
Reising, Gilbert, 435
Reller, L. Barth, 53, 61, 558, 562
Remmers, Greg A., 181
Rhoades, Keith R., 752
Rhoden, D. L., 419
Rhoden, Dwane L., 1085
Richman, Douglas D., 402
Riddle, Conradine F., 703
Riggs, John L., 243
Rimler, Richard B., 752
Rinaldi, Michael G., 1159
Robbins, John B., 324
Roberts, John W., 848
Roberts, Richard B., 740
Robertson, Janet A., 200, 873
Robertson, Richard G., 175
Robinson, Diana L., 1054
Robinson, Jennifer, 48
Roe, Martha, 61
Rolfe, Rial D., 1049
Rosenblatt, Jon E., 1059
Rubenstein, Albert S., 938
Rubin, Sally Jo, 725
Ruoff, Kathryn L., 920
Ryan, Kenneth J., 260
Rysavy, Jean M., 976

Sáez-Nieto, Juan A., 78
Saginur, Raphael, 475
Saif, Linda J., 312

Saitoh, Yoshihiko, 703
Salkin, Ira F., 169
Sanches, Leonardo A. L. R., 787
Sanekata, Takeshi, 148
Savard, Edward V., 1001
Sawada, Takuo, 752
Schalla, W. O., 342
Schell, Ronald F., 191
Scherer, Jonas, 654
Schick, Lloyd A., 617
Schiemann, Donald A., 596
Schifman, Ron B., 260
Schiller, Neal L., 740
Schindler, Jiří, 332
Schindler, Zdeněk, 332
Schlitzer, R. L., 511
Schmeer, Norbert, 830
Schneerson, Rachel, 324
Scott, E. N., 538, 737
Scott, Gwendolyn B., 1153
Sedlock, David M., 554
Shadomy, H. Jean, 714
Shanholtzer, Carol J., 593
Shanley, John, 208
Shaw, Eugene D., 1153
Sheehan, Daniel J., 178, 926
Shell, Gordon R., 815
Shih, James W.-K., 484
Shimizu, Robyn Y., 603
Shimoda, Kazunobu, 660
Shope, Robert E., 879
Short, Helen B., 915
Sielaff, B. H., 1111
Sielaff, Bruce H., 1103
Simpson, Russell B., 1016
Six, Howard R., 87
Skalka, Boris, 503
Slee, A. M., 964
Slemenda, Susan B., 1029, 1036
Slifkin, Malcolm, 187
Slots, Jørgen, 606
Smith, P. B., 419, 1111
Smith, Sharon M., 302
Smola, Jiří, 503
Snitzer, Judith B., 1092
Snyder, John D., 235
Sonnenfeld, Elaine M., 1169
Sonnenwirth, Alex C., 508
Soriano, Francisco, 330
Spruance, Spotswood L., 265
Stålhandske, Per, 744
Stamm, Walter E., 350
Standard, P. G., 663
Steele, Russell, 208
Steigerwalt, A. G., 395, 1097
Steigerwalt, Arnold G., 290, 703, 1133
Stemke, Gerald W., 873
Stiefel, Harlan E., 961
Stites, Daniel P., 456
Stobberingh, Ellen E., 795
Stoler, Barry S., 408
Stott, J., 159
Straus, David C., 115
Sturm, Charles, Jr., 109
Sugarman, Barrett, 1148
Sugimoto, Chihir , 791
Suiter, W. C., 481
Sullivan, Nadine, 1157
Swan, Judith C., 74
Swanson, Gail C., 335
Swartzell, Cornelia T., 617
Swenson, Frank J., 725
Swinney, Robert S., 278
Syed, S. A., 345
Syed, Salam A., 97
Szu, Shousun Chen, 1172

Tan, Grace L., 468
Tang, Patrick W., 998
Tanzer, J. M., 964
Targowski, Stanislaw, 64
Taylor, Henry, 156
Telenson, Mary J., 582
Tenney, James H., 558
Thacker, L. G., 987
Thaniyavarn, Suthep, 1169
Theil, Kenneth W., 312
Thompson, W. H., 429
Thornsberry, Clyde, 769, 777, 954
Toma, Sandu, 596, 998
Tompkins, Lucy S., 350
Totten, Patricia A., 19, 141
Towle, David W., 196
Trabulsi, Luiz R., 1062
Trenholme, Gordon M., 959
Tsang, Victor C. W., 1029
Tsuchiya, Kiyotaka R., 1178
Turner, Robert, 824

Ullom, Beth P., 447
Usategui, Magdalena, 1001

van Boven, Cees P. A., 795
van der Logt, J. T. M., 82
van der Veen, J., 82
Van Dyck, Eddy, 19
van Loon, A. M., 82
Van Voris, Lee P., 824
Vander Linden, Jeffrey J., 1178
Vazquez, Julio, 78
Vedros, Neylan A., 906
Vickers, R. M., 646
Vogt, R., 571
von Graevenitz, Alexander, 1164

Wachsmuth, Kaye, 1161
Walen, Kirsten H., 243
Wallin, Johan, 366
Wang, Cynthia, 439
Wang, Wen-Lan L., 53, 558
Wang, Wen-Lan Lou, 137
Ward, Eileen, 69
Warren, M. M., 891
Warren, Richard L., 1054
Washington, J. A., II, 860
Washington, John A., II, 1059
Weaver, R. E., 395, 1065
Weesner, Donald E., 852
Wegienek, J., 895
Weinstein, Melvin P., 558
Weissfeld, Alice S., 508
Welch, David F., 216
Wells, Thomas W., 1077
Wellstood, Sybil, 226
Wentworth, Berttina B., 961
West, Marcia E., 391
West, Susan E. H., 347
Westbrook, W. G., 865
White, L. A., 379
White, Rebecca L., 220
Wilkins, Tracy D., 347, 1157
Wilkinson, Hazel W., 290
Williams, James E., 93
Williscroft, Robert G., 855
Wilson, Harold W., 677, 954
Wilson, Kenneth H., 443
Wong, Doris C., 484
Wong, K. H., 342
Wong, Kwei-Hay, 435
Wong, William, 302
Woodward, D. L., 761
Worthen, David M., 402
Wright, John W., 589
Wright, Mary J., 320

Yamagishi, Hiroo, 660
Yamamoto, Seigo, 1128
Yolken, R. H., 757
Yoshida, Yoshiya, 148
Yoshioka, Isao, 660
Young, Frank E., 915
Young, Kevin D., 204
Young, Viola M., 115

Zajac, Ihor, 547, 1074
Zeiss, C. Raymond, 93
Zierdt, Charles H., 74, 172
Zylber, Lynda J., 253

SUBJECT INDEX

VOLUME 15

Abscesses
  periapical
    microflora, 964
Acids
  short-chain
    gas-liquid chromatography, 308
Acridine orange stain
  blood cultures, 562
Actinobacillus actinomycetemcomitans
  selective medium, 606
Actinomyces naeslundii
  dental plaque, 253
  selective medium, 253
Actinomyces viscosus
  dental plaque, 253
  selective medium, 253
Adenovirus
  antigens, 5
  enzyme immunoassay, 5
Aeromonas
  enterotoxigenic
    biotypes, 48
    enterotoxin, 48
Agar
  7H-10
    M. tuberculosis, 971
  7H-11
    M. tuberculosis, 971
  potato flakes
    use in clinical mycology, 1159
  selective
    Campylobacter, 1144
Agar disk diffusion
  antimicrobial susceptibility testing
    cefoperazone, 769
Agar disk diffusion susceptibility testing
  rapid inoculum preparation, 282
Agglutinins
  Brucella
    titers, 531
  coagulase-negative staphylococci, 547
  coagulase-positive staphylococci, 547
  Legionella, 973
Amoebic serology
  counterimmunoelectrophoresis, 603
  indirect fluorescent-antibody test, 603
  indirect hemagglutination test, 603
Ampicillin
  H. influenzae
    beta-lactamase production, 1167
Analgesics
  effect on *C. trachomatis*, 522
Aniline blue
  buffered charcoal-yeast extract medium, 723
Antibiotic Removal Device, 278
Antibiotic susceptibility
  coagulase-negative staphylococci, 640
Antibodies
  bluetongue virus, 159
  Epstein-Barr virus, 69, 243
  equine influenza virus, 660
  fluorescein isothiocyanate-conjugated heterogeneous
    influenza virus, 931
    solid-phase immunoassay, 931
  gonococcal ribosomal antigens, 668
  herpes simplex virus, 815
  heterophil
    mononucleosis, 610
  hybridoma-derived
    B. dermatitidis, 204
  influenza virus, 87
  Japanese encephalitis virus, 353
  legionellosis, 1077
  L. pneumophila, 130
  L. pneumophila serotype 1, 330
  monoclonal
    influenza virus, 931
    solid-phase immunoassay, 931
  mumps virus, 82
  N. gonorrhoeae, 1001
  P. aeruginosa, 115
  Pasteurella, 752
  P. carinii, 1029, 1036
  pneumococcal capsular polysaccharides, 372
  Pseudomonas, 1054
  purified protein derivative, 93
  rotavirus, 148, 163
  T. hyodysenteriae, 249
  T. pallidum, 191
  tuberculosis, 93
  type III group B streptococci, 991
  Varicella-Zoster virus, 208
  woodchuck hepatitis virus, 484
Antibody capture radioimmunoassay
  Japanese encephalitis virus, 353
Antigenemia
  P. carinii, 1029, 1036
Antigens
  adenovirus, 5
  capsid
    Epstein-Barr virus, 69
  chlamydial
    separation, 830
  colonization factor
    E. coli, 554
  colonization factor I
    E. coli, 1074
  Epstein-Barr virus, 243
  gonococcal ribosomal, 668
  influenza A virus, 5
  K88
    E. coli, 181
  K99
    E. coli, 181
  La Crosse arbovirus, 879
  lipid
    thin-layer chromatography, 447

987P
E. coli, 181
P. carinii, 1029
polyribose phosphate
H. influenzae type b, 1153
purification, 830
respiratory syncytial virus, 969
surface
hepatitis B virus, 617
woodchuck hepatitis virus, 484
tetanus
lymphocyte response, 109
T. hyodysenteriae, 249
T. pallidum, 630
type-specific
N. meningitidis serogroup A, 379
Vi
S. typhi, 235
Antigenuria
Legionella, 998
Antihemagglutinin
antibodies
influenza virus, 87
radioimmunoprecipitation assays, 87
Antimicrobial susceptibility testing
agar disk diffusion
cefoperazone, 769
Anti-poly(glycerolphosphate), 1169
Antiserum-agar plate method
Legionella, 1176
API 20E system
Enterobacteriaceae, 16, 885
H. influenzae biotyping, 1150
API Staph Strip
S. hyicus, 984
API ZYM system
Bacteroides, 97
Capnocytophaga, 97
oral spirochetes, 97
Arginine aminopeptidase
mycoplasma characterization, 28
Arthritis
gram-positive rods, 525
Autobac 1
penicillin, 270
S. aureus, 270
Autobac MTS system
urine culture screening, 468
Autobac system
gram-negative bacilli, 902, 1111
novel use, 1103
AutoMicrobic system
Enterobacteriaceae, 575, 654
Enterobacteriaceae Biochemical Cards, 575
Enterobacteriaceae-Plus Biochemical Cards, 575, 582
glucose-nonfermenting gram-negative rods, 302
gram-negative bacilli, 260, 582, 902
nonfermentative gram-negative bacilli, 25
oxidase-positive gram-negative bacilli, 25
urine culture screening, 468

Bacilli
glucose-nonfermenting gram-negative
veterinary specimens, 1016
gram-negative
Autobac system, 902, 1111
AutoMicrobic system, 260, 582, 902
MS-2 system, 902
nonfermentative gram-negative
AutoMicrobic system, 25
N/F system, 384
Oxi/Ferm system, 384
rapid carbohydrate oxidation microtube system, 43
oxidase-positive fermentative gram-negative
N/F system, 384
Oxi/Ferm system, 384
oxidase-positive gram-negative
AutoMicrobic system, 25
BACTEC
H. influenzae, 528
urease testing of mycobacteria, 478
Bacteremia
anaerobic
gas-liquid chromatography of positive blood cultures, 1059
blood culture volume, 558
coagulase-negative staphylococci, 439
lysis-filtration blood culture, 74
Moraxella-like bacterium, 720
Bacteria
non-*Campylobacter*, oxidase positive
growth on selective *Campylobacter* agar, 1144
Bacteriuria
leukocyte esterase activity, 852
standardization of detection methods, 802
Bacteroides fragilis group
selective medium, 123
Bacteroides gingivalis
rapid colorimetric tests, 345
Beta-lactamase
cephalosporin reagent, 954
production by ampicillin-resistant *H. influenzae*, 1167
rapid penicillinase paper strip test, 196
Biomaterials
bacterial colonization, 320
Biotypes
enterotoxigenic *Aeromonas*, 48
Blastomyces dermatitidis
hybridoma-derived antibodies, 204
Blood-lysing solution
nontoxic to pathogenic bacteria, 172
Bluetongue virus
antibodies, 159
enzyme-linked immunosorbent assay, 159
immunodiffusion, 159
serum neutralization, 159
Bone marrow
H. capsulatum, 156
Bordetella bronchiseptica
hemagglutination, 1120
Botulism
C. botulinum, 1
Brazil
E. coli frequency, 1062
S. agalactiae carriage in women and neonates, 787
S. agalactiae serological types, 787
Brucella
agglutinin titers
effect of centrifugation and microagglutination, 531

Brucella canis
canine brucellosis, 286
rapid slide agglutination test, 286
Brucellosis
canine
B. canis, 286
rapid slide agglutination test, 286

Calculator
hand-held
numerical identification of bacteria, 332
Campylobacter
selective agar, 1144
Campylobacter fetus
hippurate hydrolysis, 137
triphenyltetrazolium tolerance, 137
Campylobacter fetus subsp. *jejuni*
CampyPak II gas generator system, 41
enteritis
dark-field microscopy of human feces, 61
isolation
candle jar, 53
5% oxygen atmosphere, 53
prevalence in southern India, 749
rectal swabs, 959
semisolid enrichment medium, 12
stool cultures, 959
Campylobacter jejuni
biotyping, 1065
serotyping by slide agglutination, 757
Campylobacters
biochemical characteristics, 1065
CampyPak II gas generator system
C. fetus subsp. *jejuni*, 41
Cancer
P. aeruginosa exoproducts, 115
Candida tropicalis
atypical
characterization, 511
Candle jar
C. fetus subsp. *jejuni* isolation, 53
Capnocytophaga
API ZYM system, 97
Capsular polysaccharides
pneumococcal
type 14, 1172
type 7F, 1172
Carpeting
epidemiology in hospitals, 408
Catalase test
N. gonorrhoeae, 475
Cefoperazone
agar disk diffusion antimicrobial susceptibility testing, 769
disk diffusion susceptibility test
P. aeruginosa cross-resistance, 777
quality control performance limits, 777
Cells
BGM
group B coxsackievirus, 945
C. difficile toxins, 1157
guinea pig embryo
herpes simplex virus, 842
rabbit kidney
herpes simplex virus, 842
tissue-cultured
C. difficile toxins, 1157
Cell strains
human embryonic lung fibroblast, 842
CENTA
chromogenic cephalosporin reagent, 954
Centrifugation
effect on *Brucella* agglutinin titers, 531
Cephacetrile, 677
Cephalosporin
CENTA, 954
Ceratocystis minor
exoantigens, 362
Chemotaxis chambers
bacterial colonization of biomaterials, 320
Chimpanzee
hepatitis B virus transmission, 533
Chlamydia trachomatis
effect of analgesics and lubricants, 522
infectivity in tissue culture, 951
Chlorhexidine
P. aeruginosa resistance, 166
Chromogenic reagents, 677
Clostridium
electrophoresis, 688
Clostridium botulinum
botulism, 1
quantitation, 1
toxin quantitation, 1
Clostridium difficile
counterimmunoelectrophoresis, 347
cytotoxin
antimicrobial agent-associated diarrhea, 1049
selective medium, 443
sodium taurocholate
enhancement of spore recovery, 443
toxin, 347, 465
toxins
effects on tissue-cultured cells, 1157
Coagulase
staphylococci, 547, 640, 848
Cocci
aerobic gram-negative
atypical, 906
Code books
bacterial identification, 332
Complement fixation
rotavirus antibodies, 163
Conjugates
enzyme-antibody
rapid preparation, 737
Corynebacteria
multiply-resistant JK
selective broth enrichment, 350
Counterimmunoelectrophoresis
amoebic serology, 603
C. difficile toxin, 347
P. carinii antigenemia, 1036
Coxsackievirus
group B
BGM cells, 945
Crithidia luciliae
fluorescent antinuclear antibody assays, 684
Cryptococcus neoformans
differentiation medium, 169
meningitis, 1141

rapid pigmentation tests, 339
serotype pairs, 169
Cryptococcus neoformans var. *gattii*
serotypes B and C
diagnostic medium, 535
Cryptococcus neoformans var. *neoformans*
serotypes A and D
diagnostic medium, 535
Culture
blood
lysis-filtration, 74
tissue
C. trachomatis, 951
Cultures
blood
acridine orange stain, 562
anaerobic bacteremia, 1059
bacteremia, 558
coagulase-negative staphylococci, 439
cross contamination, 567
effect of dilution on organism recovery, 860
fungemia, 558
gas-liquid chromatography, 1059
gram-negative bacilli, 260
Gram stain, 562
methylene blue stain, 562
streptococcal grouping, 226
terminal subculturing, 35
viridans streptococci, 725
volume, 558
mycological
transfer and preparation, 335
stool
C. fetus subsp. *jejuni*, 959
throat swab
beta-hemolytic streptococci, 981
urine
screening, 468
Cystic fibrosis
Pseudomonas exotoxin A, 1054
Pseudomonas proteases, 1054
Cytotoxin
C. difficile, 1049

Dental plaque
A. naeslundii, 253
A. viscosus, 253
Diabetics
non-insulin-dependent
lymphocyte response, 109
Diarrhea
antimicrobial agent-associated
C. difficile cytotoxin, 1049
E. coli heat-labile toxin, 1062
E. coli heat-stable toxin, 1062
V. hollisae sp. nov., 395
Direct immunofluorescence staining
respiratory syncytial virus antigens, 969
Direct plating
L. pneumophila, 1092
Disk diffusion susceptibility test
cefoperazone
P. aeruginosa cross-resistance, 777
quality control performance limits, 777
Diving
bacterial flora of ears and skin, 855

DNA binding
fluorescent antinuclear antibody assays, 684
rheumatic diseases, 684
DNA viruses
membrane filter hybridization, 744
Dogs
immune complexes, 64

(*E*)-5-(2-bromovinyl)-2′-deoxyuridine
herpes simplex virus sensitivity, 733
Electron microscopy
rotavirus, 938
Electrophoresis
Clostridium, 688
Enterik-Tek system
Enterobacteriaceae, 16, 419, 654
Enteritis
C. fetus subsp. *jejuni*
dark-field microscopy of human feces, 61
Enterobacter agglomerans (*Erwinia herbicola*)
differential medium, 1164
Enterobacteriaceae
API 20E system, 16, 885
AutoMicrobic system, 575, 654
Enterik-Tek system, 16, 419, 654
Micro-ID system, 885
Enterobacteriaceae Biochemical Cards, 575
Enterobacteriaceae-Plus Biochemical Cards, 575, 582
Enterotoxin
enterotoxigenic *Aeromonas*, 48
heat-labile
E. coli, 298
Enzymatic activities
Legionella-like organisms, 175
L. pneumophila, 175
Enzyme immunoassay
adenovirus antigens, 5
chromogenic
La Crosse arbovirus antigens, 879
fluorogenic
La Crosse arbovirus antigens, 879
herpes simplex virus antibodies, 815
influenza A virus antigens, 5
rotavirus, 938
substrates
colorigenic, 757
fluorescent, 757
Enzyme-linked immunosorbent assay
bluetongue virus antibodies, 159
E. coli heat-labile enterotoxin, 298
immunoglobulin G, 93
influenza B virus, 824
mononucleosis heterophil antibodies, 610
P. carinii antibodies, 1029, 1036
pneumococcal capsular polysaccharide antibodies, 372
Pseudomonas antibodies, 1054
purified protein derivative antibodies, 93
S. typhi Vi antigen, 235
T. hyodysenteriae antibodies, 249
T. hyodysenteriae antigens, 249
T. pallidum antigens, 630
tuberculosis antibodies, 93
type III group B streptococcal antibodies, 991
Varicella-Zoster virus antibodies, 208

Epstein-Barr virus
antibodies, 69, 243
antigens
immunofluorescence, 243
nuclear, 243
viral capsid, 243
capsid antigen, 69
immune adherence hemagglutination, 69
Escherichia coli
antigens
K88, 181
K99, 181
987P, 181
atypical biogroups, 703
colonization factor antigen I, 1074
colonization factor antigens, 554
complex medium
antigen production, 181
diarrhea, 1062
enterotoxin
heat-labile, 298
enzyme-linked immunosorbent assay, 298
heat-labile toxin, 1062
heat-stable toxin, 1062
hemadsorption technique, 554
hemagglutination, 554
iontophoretic killing, 891
isopycnic separation of cultures, 1074
synthetic medium
antigen production, 181
Escherichia hermannii sp. nov., 703
Escherichia vulneris sp. nov., 1133
Esterase
leukocytes
bacteriuria, 852
Eubacterium suis
nutritional and metabolic features, 895
Exoantigens
C. minor, 362
fungi
safety considerations, 663
G. penicillioides, 362
S. schenckii, 362
Exoproducts
P. aeruginosa
cancer patients, 115
Exotoxin A
Pseudomonas, 1054

Fatty acids
cellular
H. equigenitalis, 791
Feces
Yersinia, 508
Fetal bovine serum
Leishmania medium, 949
Fluorescence immunoassay
solid-phase C1q-binding
immune complexes, 456
Fluorescent antinuclear antibody assays
C. luciliae substrate, 684
rheumatic diseases, 684
Fluoroimmunoassay
solid-phase
T. pallidum antibodies, 191

Fungemia
blood culture volume, 558
Fungi
dematiaceous
feed and seed warehouse, 714
pathogenic
exoantigen extracts, 663
feed and seed warehouse, 714
sputum, 425
time lapse between sputum collection and culturing, 425

Gardnerella (*Haemophilus*) *vaginalis*
identification, 19
selective differential human blood bilayer medium, 141
Gases
U. urealyticum, 200
Gas-liquid chromatography
anaerobic bacteremia, 1059
fused-silica capillary column
short-chain acids, 308
positive blood cultures, 1059
Gastroenteritis
Nigerian infants and children, 212
Genetic transformation
diagnosis of gonococcal infections, 810
Glucose
nonfermentative gram-negative rods, 302
GM1 ganglioside
enzyme-linked immunosorbent assay, 298
Gonococcal infections
diagnosis by genetic transformation, 810
Gonorrhea
antibodies, 668
ribosomal antigens, 668
Gram-negative rods
glucose-nonfermenting
AutoMicrobic system, 302
Gram-positive rods
acute lymphocytic leukemia, 525
arthritis, 525
Gram stain
blood cultures, 562
Graphium penicillioides
exoantigens, 362
Guinea pig inoculation
L. pneumophila, 1092

Haemophilus
indole spot test, 216
respiratory isolate cultures, 216
Haemophilus ducreyi, 625
Haemophilus equigenitalis
cellular fatty acids, 791
Haemophilus influenzae
ampicillin-resistant
beta-lactamase production, 1167
antibiotic susceptibility, 543
BACTEC, 528
biotyping by PathoTec strips, 976
biotyping by spot biochemical tests, 976
biotyping by the API 20E system, 1150
hypertonic culture medium, 528

systemic infections, 543
type b
latex particle agglutination test, 1153
polyribose phosphate antigens, 1153
Haemophilus parainfluenzae
biotyping by PathoTec strips, 976
biotyping by spot biochemical tests, 976
Haemophilus pleuropneumoniae
capsular serotyping by ring precipitation tests, 1019
capsular serotyping by slide agglutination, 1019
Haemophilus somnus
serological diversity, 1009
Hemadsorption immunosorbent technique
immunoglobulin M, 82
mumps virus antibodies, 82
Hemadsorption technique
E. coli hemagglutination reaction, 554
Hemagglutination
B. bronchiseptica, 1120
E. coli, 554
Hemagglutination inhibition test
equine influenza virus antibodies, 660
influenza B virus, 824
Hemagglutination treponemal test for syphilis
heated versus unheated sera, 335
Hepatitis B virus
radioimmunoadsorbent assay, 617
surface antigens, 617
transmission via eye inoculation, 533
Herpes simplex virus
antibodies, 815
enzyme immunoassay, 815
guinea pig embryo cells, 842
human embryonic lung fibroblast cell strains, 842
immunoglobulin M, 265
indirect immunofluorescence assay, 265
iododeoxyuridine, 366
rabbit kidney cells, 842
thymidine kinase, 366
type 1
sensitivity to (*E*)-5-(2-bromovinyl)-2′-deoxyuridine, 733
type 2
sensitivity to (*E*)-5-(2-bromovinyl)-2′-deoxyuridine, 733
typing, 265, 366, 402
Hippurate hydrolysis
C. fetus, 137
Histoplasma capsulatum
bone marrow, 156
Prussian blue iron stain, 156
Horse 46 group B meningococcal antiserum
heavy-chain isotypes, 324
Hospitals
epidemiology of carpeting, 408
Humidity
rotavirus prevalence, 212
Hybridoma
B. dermatitidis antibodies, 204

Immune adherence hemagglutination
Epstein-Barr virus antibodies, 69
rotavirus antibodies, 163
Immune complexes
canine diseases, 64
mastocytoma cell assay, 64
solid-phase C1q-binding fluorescence immunoassay, 456
Immunoassay
solid-phase
fluorescein isothiocyanate-conjugated heterogeneous antibodies, 931
influenza virus, 931
monoclonal antibodies, 931
Immunodiffusion
bluetongue virus antibodies, 159
L. pneumophila serotype 1 antibodies, 330
Immunoelectrophoresis
pneumococcal capsular polysaccharides, 1172
Immunofluorometric assay
legionellosis antibodies, 1077
Immunoglobulin
G
purified protein derivative, 93
tuberculosis, 93
heavy-chain isotypes, 324
M
Epstein-Barr virus, 243
herpes simplex virus, 265
Japanese encephalitis virus, 353
mumps virus, 82
India
C. fetus subsp. *jejuni* prevalence, 749
Indirect fluorescent-antibody test
amoebic serology, 603
La Crosse virus, 429
Indirect hemagglutination test
amoebic serology, 603
glutaraldehyde-fixed sheep erythrocytes, 752
Pasteurella antibodies, 752
Indirect immunofluorescence assay
herpes simplex virus typing, 265
Indirect immunofluorescence staining
respiratory syncytial virus antigens, 969
Indirect immunoperoxidase technique
scrub typhus, 1128
tsutsugamushi fever, 1128
Indirect solid-phase enzyme immunoassay
parainfluenza virus serotypes, 538
Indole
P. multocida, 731
Indole spot test
Haemophilus respiratory isolate cultures, 216
Influenza virus
antibodies, 87
equine
antibodies, 660
hemagglutination test, 660
neutralization test, 660
single radial hemolysis test, 660
fluorescein isothiocyanate-conjugated heterogeneous antibodies, 931
monoclonal antibodies, 931
radioimmunoprecipitation assays, 87
solid-phase immunoassay, 931
type A
antigens, 5
enzyme immunoassay, 5
type B
enzyme-linked immunosorbent assay, 824
hemagglutination inhibition test, 824

Iododeoxyuridine
herpes simplex virus typing, 366
Ion-exchange chromatography
separation of chlamydial antigens, 830
Iontophoresis
E. coli, 891
Isocitrate lyase assay
Y. pestis, 1178

Japanese encephalitis virus
antibodies, 353
antibody capture radioimmunoassay, 353

La Crosse arbovirus
antigens, 879
chromogenic enzyme immunoassay, 879
fluorogenic enzyme immunoassay, 879
La Crosse virus
indirect fluorescent-antibody test, 429
Latex agglutination test
S. aureus, 416
Latex particle agglutination test
H. influenzae type b polyribose phosphate antigens, 1153
Latex slide agglutination test
S. aureus, 275
Lectins
coagulase-negative staphylococci, 547
coagulase-positive staphylococci, 547
Legionella
agglutinins, 973
antigenuria
reverse passive agglutination, 998
antiserum-agar plate method, 1176
buffered charcoal-yeast extract medium, 723
environmental isolates, 646
isoprenoid quinones, 1044
serological specificity, 961
Legionellae
transparent medium, 342
Legionella jordanis sp. nov., 290
Legionella-like organisms
enzymatic activities, 175
Legionella pneumophila
animal populations, 130
antibodies, 130
direct plating, 1092
enzymatic activities, 175
guinea pig inoculation, 1092
hospital potable water specimens, 1092
serogroup 5
isolate diversity, 646
serotype 1
antibodies, 330
immunodiffusion, 330
Legionellosis
antibody responses, 1077
immunofluorometric assay, 1077
Leishmania
liquid cultivation medium, 949
Leptospirosis
microcapsule agglutination test, 835
Leukemia
acute lymphocytic
gram-positive rods, 525
Leukocytes
esterase activity
bacteriuria, 852
Listeria monocytogenes
in vitro differentiation of strains, 503
L-Pyrrolidonyl-β-naphthylamide test
steptococci, 987
Lubricants
effect on *N. gonorrhoeae*, 522
Lymphocytes
non-insulin-dependent diabetics, 109
response to Staphage Lysate, 109
response to tetanus antigens, 109

Maltose
N. meningitidis, 78
Mastocytoma cell assay
immune complexes in canine diseases, 64
Medium
buffered charcoal-yeast extract
aniline blue, 723
Legionella, 723
complex
E. coli antigen production, 181
culture
penicillinase-producing *N. gonorrhoeae*, 865
penicillin-resistant *N. gonorrhoeae*, 865
diagnostic
C. neoformans var. *gattii* (serotypes B and C), 535
C. neoformans var. *neoformans* (serotypes A and D), 535
differential
E. agglomerans (*E. herbicola*), 1164
differential and selective
Y. enterocolitica, 599
differentiation
C. neoformans serotype pairs, 169
enrichment
C. fetus subsp. *jejuni*, 12
hydrogen peroxide
N. gonorrhoeae, 103
hypertonic culture
H. influenzae, 528
liquid cultivation
Leishmania, 949
protease detection
P. aeruginosa colonial dissociants, 178
selective
A. actinomycetemcomitans, 606
A. naeslundii, 253
A. viscosus, 253
B. fragilis group, 123
C. difficile spores, 443
selective differential human blood bilayer
G. vaginalis, 141
synthetic
E. coli antigen production, 181
transparent
legionellae, 342
Membrane filter hybridization
DNA viruses, 744
Meningitis
C. neoformans, 1141
Methicillin
S. aureus, 220

Methylene blue stain
blood cultures, 562
Microagglutination
effect on *Brucella* agglutinin titers, 531
Microcapsule agglutination test
leptospirosis, 835
Micro ID system
Enterobacteriaceae, 885
Microscopy
dark-field
C. fetus subsp. *jejuni* in human feces, 61
Microtube coagulase test
coagulase-positive staphylococci, 848
Mononucleosis
enzyme-linked immunosorbent assay, 610
heterophil antibodies, 610
Moraxella-like bacterium
bacteremia, 720
pneumonia, 720
Moraxella osloensis
osteomyelitis, 1148
Mosquitoes
La Crosse arbovirus antigens, 879
MS-2 system
gram-negative bacilli, 902
methicillin-resistant *S. aureus*, 220
urine culture screening, 468
Mumps virus
antibodies, 82
hemadsorption immunosorbent technique, 82
Mutanolysin
streptococcal serogrouping, 184
Mycobacteria
BACTEC, 478
nontuberculous
thin-layer chromatography, 447
urease testing, 478
Mycobacterium tuberculosis
7H-10 agar, 971
7H-11 agar, 971
niacin, 971
Mycoplasmas
arginine aminopeptidase activity, 28

Neisseria gonorrhoeae
anaerobic survival, 915
antibodies, 1001
effect of analgesics and lubricants, 522
hydrogen peroxide medium, 103
penicillinase-producing
culture medium, 865
penicillin-resistant
culture medium, 865
Phadebact Gonococcus Test, 231
problem cultures, 435
radioimmunoassay, 1001
Superoxol (catalase) test, 475
transfer and storage, 915
Neisseria meningitidis
maltose-negative, 78
serogroup A
type-specific antigens, 379
Neutralization test
equine influenza virus antibodies, 660
Newborn calf serum
C. trachomatis tissue culture, 951

N/F system
nonfermentative gram-negative bacilli, 384
oxidase-positive fermentative gram-negative bacilli, 384
Niacin
M. tuberculosis, 971
Nigeria
gastroenteritis, 212
rotavirus prevalence, 212
Nitrate
S. marcescens, 728
Nitrocefin, 677
Nitrous acid extraction
beta-hemolytic streptococcal serogrouping, 187
Nosocomial infections
nitrate-negative *S. marcescens*, 728
Nosocomial pathogens
growth in medication vials, 1024

Osteomyelitis
M. osloensis, 1148
Oxi/Ferm system
nonfermentative gram-negative bacilli, 384
oxidase-positive fermentative gram-negative bacilli, 384
Oxygen (5%) atmosphere
C. fetus subsp. *jejuni* isolation, 53

Paper strip test
rapid penicillinase
beta-lactamase, 196
Papovaviruses
solid-phase immune electron microscopy–double-antibody technique, 517
Parainfluenza virus
indirect solid-phase enzyme immunoassay, 538
serotypes, 538
Pararotavirus
differentiation from rotavirus, 312
pathogenesis in gnotobiotic pigs, 312
Passive hemagglutination test
gonococcal antibodies, 668
gonococcal ribosomal antigens, 668
Pasteurella
antibodies, 752
indirect hemagglutination test, 752
Pasteurella multocida
indole production, 731
PathoTec strips
H. influenzae biotyping, 976
H. parainfluenzae biotyping, 976
Penicillin
Autobac 1, 270
N. gonorrhoeae, 865
S. aureus killing, 270
Penicillinase
N. gonorrhoeae, 865
Peptone
Leishmania medium, 949
Phadebact Gonococcus Test
N. gonorrhoeae, 231
Phadebact Pneumococcus Test
S. pneumoniae, 391
Phadebact Streptococcus Test
beta-hemolytic streptococcal serogrouping, 187
streptococcal grouping, 226

Pigs
gnotobiotic
pararotavirus, 312
Plasmids
Y. enterocolitica, 1161
Plesiomonas shigelloides
overgrowth in small intestine, 869
Pneumococcal capsular polysaccharides
antibodies, 372
enzyme-linked immunosorbent assay, 372
immunoelectrophoresis, 1172
type 14, 1172
type 7F, 172
Pneumocystis carinii
antibodies, 1029, 1036
antigenemia, 1029, 1036
antigens, 1029
enzyme-linked immunosorbent assay, 1029, 1036
Pneumonia
Moraxella-like bacterium, 720
Poly(glycerolphosphate), 1169
Polyribose phosphate
H. influenzae type b antigens, 1153
Polysaccharides
pneumococcal capsular
type 14, 1172
type 7F, 1172
Potato flakes agar
use in clinical mycology, 1159
Povidone-iodine solution
dilute
increased bactericidal activity, 635
Proteases
Pseudomonas, 1054
Proteus penneri sp. nov., 1097
Proteus vulgaris
biogroup 1, 1097
indole negative, 1097
Prussian blue iron stain
H. capsulatum, 156
Pseudomonas
antibodies, 1054
cystic fibrosis, 1054
enzyme-linked immunosorbent assay, 1054
exotoxin A, 1054
proteases, 1054
Pseudomonas aeruginosa
antibodies, 115
cancer patients, 115
changes in antibiotic susceptibility, 926
changes in antigenicity, 926
changes in enzymatic activity, 926
chlorhexidine resistance, 166
colonial dissociants, 178
colonial morphotypes, 926
cross-resistance in cefoperazone susceptibility testing, 777
exoproducts, 115
protease detection medium, 178
skin infections, 571
whirlpools, 571
Pyridine-2-azo-*p*-dimethylanaline cephalosporin, 677

Quinones
isoprenoid
Legionella, 1044

Radioimmunoadsorbent assay
hepatitis B surface antigen, 617
Radioimmunoassay
immunoglobin G, 93
N. gonorrhoeae antibodies, 1001
purified protein derivative antibodies, 93
solid-phase
woodchuck hepatitis virus, 484
tuberculosis antibodies, 93
Radioimmunoprecipitation assays
antihemagglutinin antibodies, 87
influenza virus antibodies, 87
Rapid carbohydrate oxidation microtube system
nonfermentative gram-negative bacilli, 43
Rapid colorimetric tests
B. gingivalis, 345
Rapid pigmentation tests
C. neoformans, 339
Rapid slide agglutination test
B. canis, 286
canine brucellosis, 286
Respiratory syncytial virus
antigens, 969
direct immunofluorescence staining, 969
indirect immunofluorescence staining, 969
Reverse passive agglutination
Legionella antigenuria, 998
Reverse passive hemagglutination inhibition test
rotavirus antibodies, 148
Rheumatic diseases
fluorescent antinuclear antibody assays, 684
Ring precipitation tests
H. pleuropneumoniae capsular serotyping, 1019
River water
L. jordanis sp. nov., 290
Rodents
wild
T. hyodysenteriae, 994
Rotavirus
antibodies, 148, 163
complement fixation, 163
differentiation from pararotavirus, 312
electron microscopy, 938
enzyme immunoassay, 938
immune adherence hemagglutination, 163
influence of humidity, 212
Nigerian infants and children, 212
reverse passive hemagglutination inhibition test, 148

Salmonella typhi
enzyme-linked immunosorbent assay, 235
reduced-virulence strains, 1085
typhoid fever, 235
Vi antigen, 235
Scrub typhus
indirect immunoperoxidase technique, 1128
Selective broth enrichment
multiply-resistant JK corynebacteria, 350
SeroSTAT
group D streptococci, 58
SeroSTAT Staph
S. aureus, 416
Serratia marcescens
nitrate-negative
bacteremia, 728
nosocomial infections, 728

Serum neutralization
bluetongue virus antibodies, 159
Sewage
L. jordanis sp. nov., 290
Single radial hemolysis test
equine influenza virus antibodies, 660
Skin
multiply-resistant JK corynebacteria, 350
Slide agglutination
C. jejuni serotyping, 757
heat-labile antigenic factors, 757
H. pleuropneumoniae capsular serotyping, 1019
Sodium taurocholate
enhancement of *C. difficile* spore recovery, 443
Solid-phase immune electron microscopy–double-antibody technique
papovaviruses, 517
Spirochetes
oral
API ZYM system, 97
Sporothrix schenckii
exoantigens, 362
Spot biochemical tests
H. influenzae biotyping, 976
H. parainfluenzae biotyping, 976
Spot indole test
reagents, 589
Sputum
fungi, 425
Staphage Lysate
lymphocyte response, 109
Staphylococci
coagulase-negative
antibiotic susceptibility, 640
bacteremia, 439
interaction with agglutinins, 547
interaction with lectins, 547
species identification, 640
coagulase-positive
interaction with agglutinins, 547
interaction with lectins, 547
microtube coagulase test, 848
Staphylococcus aureus
Autobac 1, 270
latex agglutination test, 416
latex slide agglutination test, 275
methicillin-resistant
MS-2 system, 220
penicillin killing, 270
SeroSTAT Staph, 416
Staphylococcus hyicus
API Staph Strip, 984
Streptex Test
streptococcal grouping, 226
Streptococci
beta-hemolytic
serogrouping by nitrous acid extraction, 187
serogrouping by the Phadebact Streptococcus Test, 187
Streptocult, 981
throat swab cultures, 981
group A
throat infections, 481
group D
SeroSTAT, 58
grouping by the Phadebact Streptococcus Test, 226
grouping by the Streptex Test, 226
L-pyrrolidonyl-β-naphthylamide test, 987
serogrouping
enhancement by mutanolysin, 184
type III group B
antibodies, 991
enzyme-linked immunosorbent assay, 991
viridans
blood cultures, 725
identification, 920
Streptococcus agalactiae
carriage in women and neonates, 787
serological types, 787
Streptococcus mitior
vitamin B_6 requirements, 740
Streptococcus pneumoniae
multiple drug resistance, 967
Phadebact Pneumococcus Test, 391
unusual serotype, 967
Streptocult
beta-hemolytic streptococci, 981
Subculturing
terminal
negative blood cultures, 35
Superoxol (catalase) test
N. gonorrhoeae, 475
Susceptibility testing
agar disk diffusion
rapid inoculum preparation, 282
Syphilis
hemagglutination treponemal test, 335
unheated serum reagin test, 238

Tetanus
antigens
lymphocyte response, 109
Thin-layer chromatography
lipid antigens, 447
nontuberculous mycobacteria, 447
Thymidine kinase
herpes simplex virus typing, 366
Tobramycin assays, 795
Toxin
C. difficile, 347, 465
heat-labile
E. coli, 1062
heat-stable
E. coli, 1062
Toxins
C. difficile
effects on tissue-cultured cells, 1157
Treponema hyodysenteriae
antibodies, 249
antigens, 249
enzyme-linked immunosorbent assay, 249
wild rodents, 994
Treponema pallidum
antibodies, 191
antigens, 630
enzyme-linked immunosorbent assay, 630
solid-phase fluoroimmunoassay, 191
Triphenyltetrazolium
C. fetus, 137
Tsutsugamushi fever
indirect immunoperoxidase technique, 1128
Tuberculosis
antibodies, 93

enzyme-linked immunosorbent assay, 93
radioimmunoassay, 93
Typhoid fever
S. typhi Vi antigen, 235

Unheated serum reagin test
syphilis, 238
Ureaplasma urealyticum
gaseous requirements, 200
serotyping, 873
Urease
BACTEC, 478
mycobacteria testing, 478
Urine
S. typhi Vi antigen, 235
Urine culture transport tubes
bacterial toxicity of preservative, 593

Varicella-Zoster virus
antibodies, 208
enzyme-linked immunosorbent assay, 208
Vibrio hollisae sp. nov., 395
Vitamin B_6
nutritionally variant *S. mitior*, 740

Whirlpools
P. aeruginosa skin infections, 571
Woodchuck hepatitis virus
antibodies, 484
solid-phase radioimmunoassay, 484
surface antigens, 484

Yeast autolysate
Leishmania medium, 949
Yersinia
rapid isolation from feces, 508
Yersinia enterocolitica
antibiotic susceptibility, 491
bacteriophage typing, 491
biotyping, 491
differential and selective medium, 599
serotype O:21, 596
serotyping, 491
virulence-associated plasmid, 1161
Yersinia frederiksenii
antibiotic susceptibility, 491
bacteriophage typing, 491
biotyping, 491
serotyping, 491
Yersinia intermedia
antibiotic susceptibility, 491
bacteriophage typing, 491
biotyping, 491
serotyping, 491
Yersinia kristensenii
antibiotic susceptibility, 491
bacteriophage typing, 491
biotyping, 491
serotyping, 491
Yersinia pestis
isocitrate lyase activity, 1178